

# SECOND GENERATION EV CHARGER

The AC EV charger is a new product launched by Fox ESS. Its appearance of this product adopts a streamlined and simple design, which is more refined and glitzy. Through the App, car owners can choose the Bluetooth smart lock, timing charging function, or change it to plug and play mode. At the same time, it can monitor charging information, set EV charger parameters, bind equipment and authorization, and upgrade remote software.



## Innovativeness Design

Streamline design



## Intelligent Control

Wireless communication (WiFi/Bluetooth)  
 OCPP communication protocol with the backend  
 Smart charge or scheduled charge by App



## Energy Saving

Standby power consumption is less than 7W, excellent energy-saving efficiency



## Flexible Option

Type 2 Plug or Type 2 socket  
 App operation or plug and play  
 Wall-mounted or floor-stand installation



## Secure and Safe

6mA DC residual current protection  
 Anti-welding protection  
 IP55 rated

- Power: 22kW
- Output Current: Max.32A
- Output Voltage: 400V AC
- Type 2 cable charging connector
- Compliant with OCPP 1.6 (JSON)/2.0
- App operation or RFID authentication or plug, play & 4G
- Protection Grade: IP55
- -30 ~ 50°C wide Operating Temperature
- Warranty time: 3 years



For more about the Fox ESS EV charger  
 Please visit

[WWW.FOX-ESS.COM](http://WWW.FOX-ESS.COM)



# SECOND GENERATION 22KW EV CHARGER

## TECHNICAL SPECIFICATIONS



| MODEL                      | A022KP1-E-2                                                                                                                                              |  | A022KS1-E-2                      |  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|
| TYPE                       | CHARGING PLUG                                                                                                                                            |  | CHARGING SOCKET                  |  |
| INPUT                      |                                                                                                                                                          |  |                                  |  |
| Wiring Scheme              |                                                                                                                                                          |  | 3P+N+PE                          |  |
| Voltage                    |                                                                                                                                                          |  | 400Vac, ±20%                     |  |
| Maximum Current            |                                                                                                                                                          |  | 32A                              |  |
| Frequency                  |                                                                                                                                                          |  | 50/60Hz                          |  |
| OUTPUT                     |                                                                                                                                                          |  |                                  |  |
| Voltage                    |                                                                                                                                                          |  | 400Vac, ±20%                     |  |
| Maximum Current            |                                                                                                                                                          |  | 32A                              |  |
| Rated Power                |                                                                                                                                                          |  | 22kW                             |  |
| USER INTERFACE & CONTROL   |                                                                                                                                                          |  |                                  |  |
| Connector Type             | Type 2 cable                                                                                                                                             |  | Type 2 socket(with Shutter)      |  |
| RFID Reader                |                                                                                                                                                          |  | Mifare ISO/IEC 14443 A           |  |
| Start Mode                 |                                                                                                                                                          |  | Plug&Play/RFID card/App          |  |
| COMMUNICATION              |                                                                                                                                                          |  |                                  |  |
| WiFi, Bluetooth            |                                                                                                                                                          |  | Yes                              |  |
| 4G                         |                                                                                                                                                          |  | Optional                         |  |
| OCPP                       |                                                                                                                                                          |  | OCPP 1.6 JSON, OCPP 2.0 optional |  |
| ENVIRONMENT                |                                                                                                                                                          |  |                                  |  |
| Installation               |                                                                                                                                                          |  | Wall-mount / Post-mount          |  |
| Operating Temperature      |                                                                                                                                                          |  | -30°C ~ 50°C                     |  |
| Operating Humidity         |                                                                                                                                                          |  | 5% ~ 95% No condensation         |  |
| Operating Altitude         |                                                                                                                                                          |  | ≤2000m                           |  |
| DIMENSION AND WEIGHT       |                                                                                                                                                          |  |                                  |  |
| Product Dimension          | 320*190*130 mm                                                                                                                                           |  | 320*190*144.5 mm                 |  |
| Product Weight             | 3.55kg                                                                                                                                                   |  | 2.0kg                            |  |
| SAFETY                     |                                                                                                                                                          |  |                                  |  |
| IP protection rating       |                                                                                                                                                          |  | IP55                             |  |
| IK protection rating       |                                                                                                                                                          |  | IK08                             |  |
| Residual Current Detection |                                                                                                                                                          |  | AC 30mA/DC 6mA                   |  |
| Electrical Protection      | Over current protection, Residual current protection, Ground protection, Surge protection,<br>Over/Under voltage protection, Over temperature protection |  |                                  |  |
| EMC                        |                                                                                                                                                          |  | Class B                          |  |
| Certification              |                                                                                                                                                          |  | CE                               |  |
| Certification Standard     | EN/IEC 61851-1: 2019, EN/IEC 61851-21-2: 2021                                                                                                            |  |                                  |  |